

Subject: Choke Coil

From: Richard Noel <RichardN@badgertransformer.com>

Date: Tue, 25 Jan 2005 13:08:59 -0600

To: Johnny Green <jbgreen@fnal.gov>

The following is Badger Transformers quote for the choke coil described below:

Quote #: 4378A

Description: Magnet wire, 2SQ. Double Dacron Glass over Heavy Film
Coil Length, 5"
Max. OD 4"
ID 3.31" (Winding arbor tapered from 3.31" to 3.25")
Total turns 34, (2 layers, 17 turns/layer)

Quantity:	50	100	250
Sell Price:	\$28.46	\$24.82	\$23.15

Fermi Lab to supply magnet wire

Magnet wire: Approx. 8.3# of wire per coil

Delivery of completed coils: 6-7 weeks

Please contact me if you have any questions or to place an order.

Thanks,

Richard K. Noel
Badger Transformer Company, Inc.
7939 W. Tower Avenue
Milwaukee, WI 53223
Phone 414-362-4441
Fax 414-362-4440
<http://www.badgertransformer.com>

Subject: Prototype Choke

From: Richard Noel <RichardN@badgertransformer.com>

Date: Wed, 17 Nov 2004 11:30:01 -0600

To: Johnny Green <jbgreen@fnal.gov>

The following is Badger's quote for the prototype choke coil we discussed.

Quote # 4353

Quantity 10 pieces

Sell price: \$45.00 Each, Fermi Lab supplies the wire
\$80.68 Each, Badger supplies the wire (# 6 SQ, DDGHF)

Delivery: 3-4 weeks ARO

Prototype tooling: \$150.00

Production tooling: Estimate \$500.00 to \$600.00

Basic design; Coil wound on 1.0" diameter arbor (tapered to 7/8")
Coil length, approx. 5"
Approx. OD, 2.5"
Approx. turns 108

One no charge sample shipped to your attention today. Shipped next day air
This coil has 108 turns and was wound on a 1.03" diameter arbor.

Please call if you have any questions or to place an order.

Thanks,

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*Test proto and decide if the number of turns and series resistance
will be adequate?*

*ID = 1 3/4 →
OD = 2.5*

Case = to put it in!

Varnish → Rd gauge 468-2

100% Solid -

- 60 total turns -